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| (21) International Application Number: PCT/EP99/03212 (22) International Filing Date: 11 May 1999 (11.05.99) (30) Priority Data: 98108608.5 12 May 1998 (12.05.98) EP (71) Applicant (for all designated States except US): SCHWARZ PHARMA AG [DE/DE]; Alfred-Nobel-Strasse 10, D-40789 Monheim (DE). (72) Inventors; and (75) Inventors/Applicants (for US only): MEESE, Claus [DE/DE]; Kreuzberger Strasse 50, D-40789 Monheim (DE). SPARF, Bengt [SE/SE]; Drottningstigen 6, S-142 65 Trångsund (SE). (74) Agent: ALBRECHT, Thomas; Kraus & Weisert, Thomas-Wimmer-Ring 15, D-80539 Munich (DE). | (81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> | |
| (54) Title: NOVEL DERIVATIVES OF 3,3-DIPHENYLPROPYLAMINES (57) Abstract The invention concerns novel derivatives of 3,3-diphenylpropylamines, methods for their preparation, pharmaceutical compositions containing the novel compounds, and the use of the compounds for preparing drugs. More particularly, the invention relates to novel prodrugs of antimuscarinic agents with superior pharmacokinetic properties compared to existing drugs such as oxybutynin and tolterodine, methods for their preparation, pharmaceutical compositions containing them, a method of using said compounds and compositions for the treatment of urinary incontinence, gastrointestinal hyperactivity (irritable bowel syndrome) and other smooth muscle contractile conditions. | | |

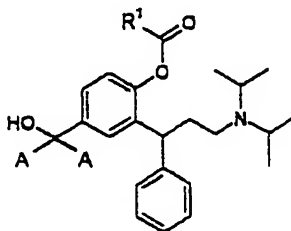
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and

their salts with physiologically acceptable acids, their free bases and, when the compounds can be in the form of optical isomers, the racemic mixture and the individual enantiomers.

The present invention, moreover, relates to processes for the preparation of the aforementioned compounds. In particular, according to the present invention, the following processes are provided:

A process for the production of phenolic monoesters represented by the general formula II



Formula II

as defined above, which comprises treatment of a compound of the formula

